

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 03/00484

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16D65/097

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 527 090 B1 (CHAUVEAU CHRISTOPHE ET AL) 4 March 2003 (2003-03-04) column 3, line 28 -column 6, line 6; figures 1,2,6-8	1,2,5, 9-12
A	US 5 941 348 A (MATSUMOTO TAKASHI ET AL) 24 August 1999 (1999-08-24) column 3, line 53 -column 7, line 21; figures	1-12
A	US 6 003 642 A (ODAKA SEIYA ET AL) 21 December 1999 (1999-12-21) column 3, line 65 -column 6, line 48; figures	1-12
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

3 December 2003

Date of mailing of the international search report

17/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 478 122 B1 (BROWN GLENN GUSTAVE ET AL) 12 November 2002 (2002-11-12) column 3, line 1 -column 4, line 50; figures</p> <p>-----</p>	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 03/00484

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6527090	B1	04-03-2003	FR 2800140 A1 AU 1032501 A BR 0015278 A CN 1384904 T CZ 20021483 A3 EP 1224409 A1 WO 0131223 A1 JP 2003517143 T TR 200201118 T2	27-04-2001 08-05-2001 24-12-2002 11-12-2002 16-10-2002 24-07-2002 03-05-2001 20-05-2003 21-08-2002
US 5941348	A	24-08-1999	JP 10122278 A	12-05-1998
US 6003642	A	21-12-1999	JP 10103393 A	21-04-1998
US 6478122	B1	12-11-2002	NONE	